

1                    ABSTRACT OF THE DISCLOSURE UNDER 37 C.F.R.1.72(b)

2                    An edge detector with sub-micron accuracy. The edge detector  
3                    comprises two single mode optical fibers with an optical path between them.  
4                    One fiber is coupled to a laser light source, and creates a light beam. The  
5                    other fiber is coupled to an optical power detector. The optical power  
6                    reaching the optical power detector is determined by how much of the light  
7                    beam is obscured by an object. Thus the position of the edge of the object  
8                    may be determined from the optical power measured by the detector. The  
9                    edge of an object may be positioned automatically according to the optical  
10                    power measured by the detector.

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